STN SEARCH TRANSCRIPT

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 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2           "Ask CAS" for self-help around the clock
 NEWS  3  FEB 27   New STN AnaVist pricing effective March 1, 2006
 NEWS  4  MAY 10   CA/CAplus enhanced with 1900-1906 U.S. patent records
 NEWS  5  MAY 11   KOREAPAT updates resume
 NEWS  6  MAY 19   Derwent World Patents Index to be reloaded and enhanced
 NEWS  7  MAY 30   IPC 8 Rolled-up Core codes added to CA/CAplus and
                   USPATFULL/USPAT2
 NEWS  8  MAY 30   The F-Term thesaurus is now available in CA/CAplus
 NEWS  9  JUN 02   The first reclassification of IPC codes now complete in
                   INPADOC
 NEWS 10  JUN 26   TULSA/TULSA2 reloaded and enhanced with new search and
                   and display fields
 NEWS 11  JUN 28   Price changes in full-text patent databases EPFULL and PCTFULL
 NEWS 12  JUl 11   CHEMSAFE reloaded and enhanced
 NEWS 13  JUl 14   FSTA enhanced with Japanese patents
 NEWS 14  JUl 19   Coverage of Research Disclosure reinstated in DWPI
 NEWS 15  AUG 09   INSPEC enhanced with 1898-1968 archive
 NEWS 16  AUG 28   ADISCTI Reloaded and Enhanced
 NEWS 17  AUG 30   CA(SM)/CAplus(SM) Austrian patent law changes
 NEWS 18  SEP 11   CA/CAplus enhanced with more pre-1907 records

 NEWS EXPRESS  JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8
 NEWS X25      X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 10:38:39 ON 15 SEP 2006

=> FILE REG
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY     SESSION
FULL ESTIMATED COST                                       0.21        0.21
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FILE 'REGISTRY' ENTERED AT 10:39:20 ON 15 SEP 2006
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 14 SEP 2006 HIGHEST RN 906714-10-1
DICTIONARY FILE UPDATES: 14 SEP 2006 HIGHEST RN 906714-10-1

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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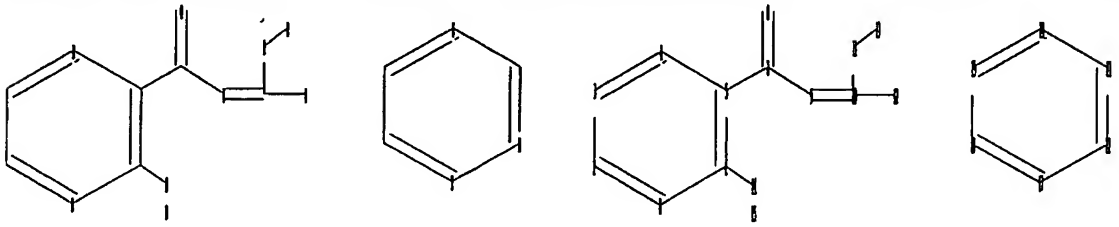
=>
Uploading C:\Program Files\Stnexp\Queries\SODIUM CHANNEL PYRAZINE DIV - 1.str



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7 8 9 10 11 12 13 14 15
ring nodes :
1 2 3 4 5 6 17 18 19 20 21 22
chain bonds :
5-7 6-14 7-8 7-9 9-10 10-11 10-12 11-13 14-15
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22
exact/norm bonds :
6-14 7-8 7-9 9-10 10-11 10-12
exact bonds :
5-7 11-13 14-15
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22
isolated ring systems :
containing 1 : 17 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom

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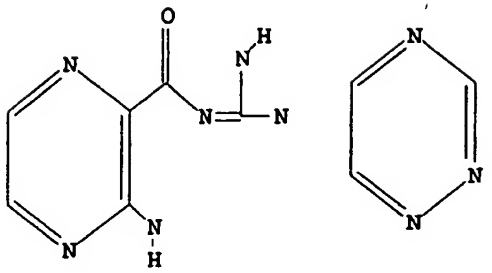
L1 HAS NO ANSWERS
L1 STR



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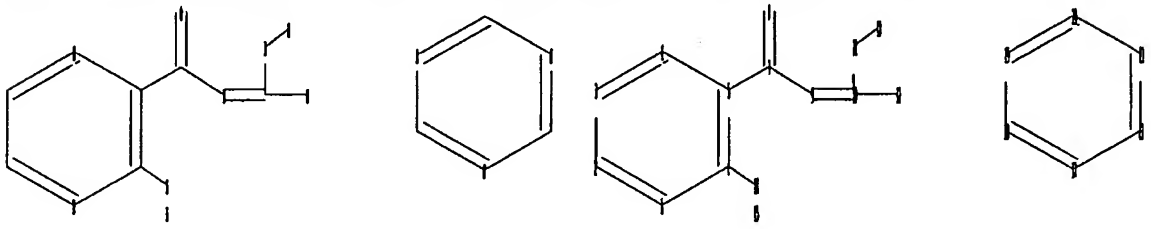

chain nodes :
7 8 9 10 11 12 13 14 15
ring nodes :
1 2 3 4 5 6 17 18 19 20 21 22
chain bonds :
5-7 6-14 7-8 7-9 9-10 10-11 10-12 11-13 14-15
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22
exact/norm bonds :
6-14 7-8 7-9 9-10 10-11 10-12
exact bonds :
5-7 11-13 14-15
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22
isolated ring systems :
containing 1 : 17 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom

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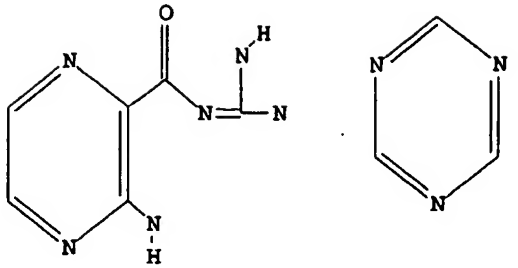
L2 STR



Structure attributes must be viewed using STN Express query preparation.

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=> S L1
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SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED       0 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:             0 TO         0
PROJECTED ANSWERS:                0 TO         0

L3            0 SEA SSS SAM L1

=> S L2
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SEARCH TIME: 00.00.01

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=> S L1 SSS FULL
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=> S L2 SSS FULL
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100.0% PROCESSED      98 ITERATIONS                                 2 ANSWERS
SEARCH TIME: 00.00.01

L6            2 SEA SSS FUL L2

=> FILE CAPLUS
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
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	ENTRY	SESSION
FULL ESTIMATED COST	333.88	334.09

FILE 'CAPLUS' ENTERED AT 10:40:17 ON 15 SEP 2006
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FILE COVERS 1907 - 15 Sep 2006 VOL 145 ISS 13
FILE LAST UPDATED: 14 Sep 2006 (20060914/ED)

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=> S L6
L7 2 L6

=> D 1-2 IBIB ABS HITSTR

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:346797 CAPLUS
DOCUMENT NUMBER: 142:411366
TITLE: Preparation of pyridazinylcarbonyl-substituted ureas used for reducing risk of infection from pathogens
INVENTOR(S): Johnson, Michael R.; Hopkins, Samuel E.
PATENT ASSIGNEE(S): Parion Sciences, Inc., USA
SOURCE: PCT Int. Appl., 218 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005034847	A2	20050421	WO 2004-US26963	20040819
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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AU 2004279329	A1	20050421	AU 2004-279329	20040819
CA 2533886	AA	20050421	CA 2004-2533886	20040819
EP 1656096	A2	20060517	EP 2004-809587	20040819
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IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR

US 2006205738	A1	20060914	US 2005-211707		20050826
PRIORITY APPLN. INFO.:			US 2003-496481P	P	20030820
			US 2004-920626	A	20040818
			US 2003-495712P	P	20030818
			US 2003-495720P	P	20030818
			US 2003-495725P	P	20030818
			US 2004-920410	A3	20040818
			WO 2004-US26963	W	20040819

OTHER SOURCE(S): MARPAT 142:411366

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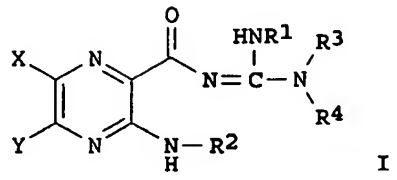

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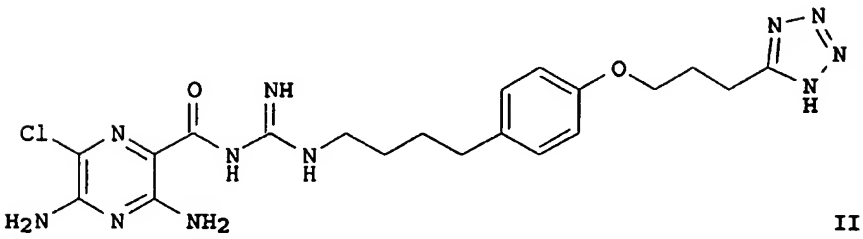


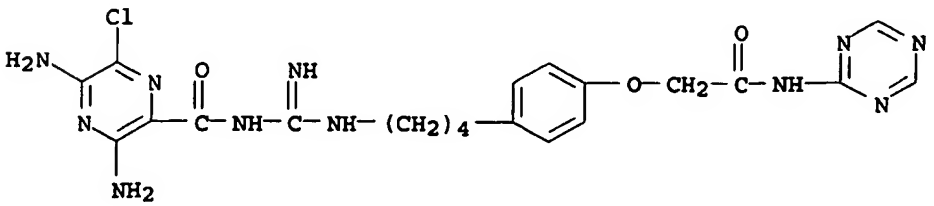
II

AB Title compds. I [X = H, halo, CF3, etc.; Y = H, OH, SH, etc.; R1 = H, alkyl; R2 = alkoxy, etc.; R3-4 = H, alkyl, OH, alkyl, Ph, etc.] are prepared For instance, II is prepared in 4 steps from [4-(4-hydroxyphenyl)butyl]carbamic acid benzyl ester (preparation given), 4-bromobutyronitrile and 1-(3,5-diamino-6-chloropyrazine-2-carbonyl)-2-methylisothiourea•HI. II has EC50 = 25 nM in a sodium channel blocker assay. I are useful for prophylactic treatment to one or more members of a population at risk of exposure to or already exposed to one or more airborne pathogens, either from natural sources or from intentional release of pathogens into the environment.

IT 847200-88-8P 847200-89-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyridazinylcarbonyl-substituted ureas used for reducing risk of infection from pathogens)

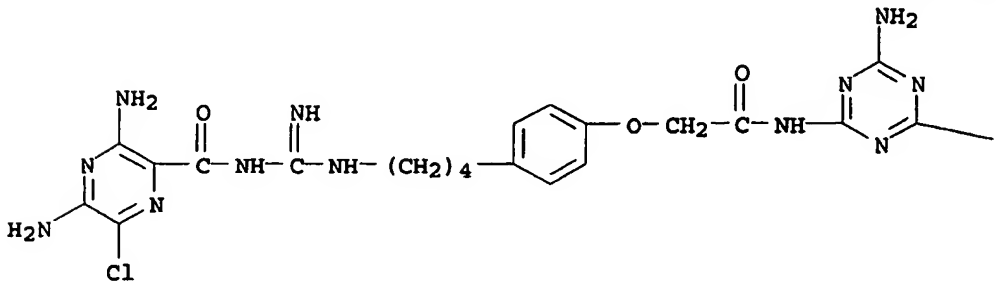
RN 847200-88-8 CAPLUS

CN Pyrazinecarboxamide, 3,5-diamino-6-chloro-N-[imino[[4-[4-[2-oxo-2-(1,3,5-triazin-2-ylamino)ethoxy]phenyl]butyl]amino]methyl]- (9CI) (CA INDEX NAME)



RN 847200-89-9 CAPLUS
CN Pyrazinecarboxamide, 3,5-diamino-6-chloro-N-[[[4-[4-[2-[(4,6-diamino-1,3,5-triazin-2-yl)amino]-2-oxoethoxy]phenyl]butyl]amino]iminomethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:177896 CAPLUS
DOCUMENT NUMBER: 142:280225
TITLE: Preparation of capped aminopyrazinoylguanidines as sodium channel blockers
INVENTOR(S): Johnson, Michael R.; Molino, Bruce F.; Zhang, Jianzhong; Sargent, Bruce J.
PATENT ASSIGNEE(S): Parion Sciences, Inc., USA
SOURCE: PCT Int. Appl., 100 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005018644	A1	20050303	WO 2004-US26885	20040818
WO 2005018644	B1	20050512		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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US 2005080091	A1	20050414	US 2004-920410		20040818
US 7064129	B2	20060620			
EP 1663235	A1	20060607	EP 2004-781545		20040818
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK					
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US 2005228182	A1	20051013	US 2005-138280		20050527
US 2006052394	A1	20060309	US 2005-211422		20050826
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			WO 2004-US26885	W	20040818

OTHER SOURCE(S): MARPAT 142:280225

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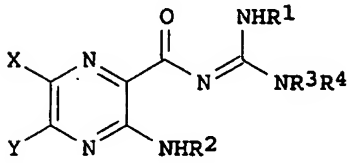


I

AB Title compds. [I; X = H, halo, CF3, alkyl, (substituted) Ph, etc.; Y = H, OH, SH, alkoxy, alkylthio, halo, alkyl, (substituted) aryl, etc.; R1 = H, alkyl; R2 = R7, (CH2)mOR8, (CH2)mNR7R10, (CH2CH2O)mR8, etc.; m = 1-7; R3, R4 = H, alkyl, hydroxyalkyl, Ph, phenylalkyl, naphthylalkyl, pyridylalkyl, etc.; R7 = H, alkyl, (substituted) Ph, etc.; R8 = H, alkyl, 2-tetrahydropyranyl, glucuronide, etc.; R10 = H, SO2Me, COR13, CO2R13, etc.; R13 = H, R7, R10, etc.; with provisos], were prepared Thus, [4-(4-hydroxyphenyl)butyl]carbamic acid benzyl ester in EtOH at 70° was treated with oxiranylmethanol over 4 h to give 4.6% [4-[4-[3-(2,3-dihydroxypropoxy)-2-hydroxypropoxy]phenyl]butyl]carbamic acid benzyl ester. This was hydrogenolyzed in EtOH over Pd/C to give 51% 3-[3-[4-(4-aminobutyl)phenoxy]-2-hydroxypropoxy]propane-1,2-diol. The latter was stirred with Et3N and 1-(3,5-diamino-6-chloropyrazine-2-carbonyl)-2-methylisothiourea hydroiodide in EtOH at 65° to give 36% N-(3,5-diamino-6-chloropyrazine-2-carbonyl)-N'-[4-[4-[3-(2,3-dihydroxypropoxy)-2-hydroxypropoxy]phenyl]butyl]guanidine (PSA 15143). The latter showed Na channel blocking activity with EC50 = 7 nM.

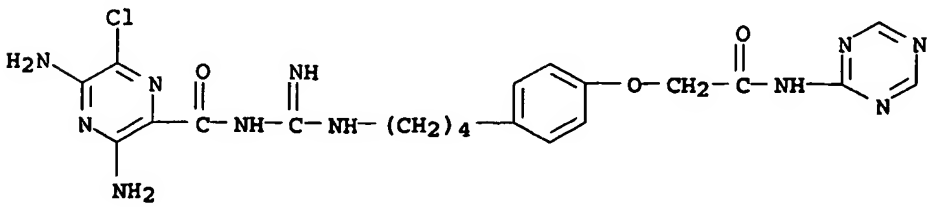
IT 847200-88-8P 847200-89-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(claimed compound; preparation of aminopyrazinoylguanidines as sodium channel blockers)

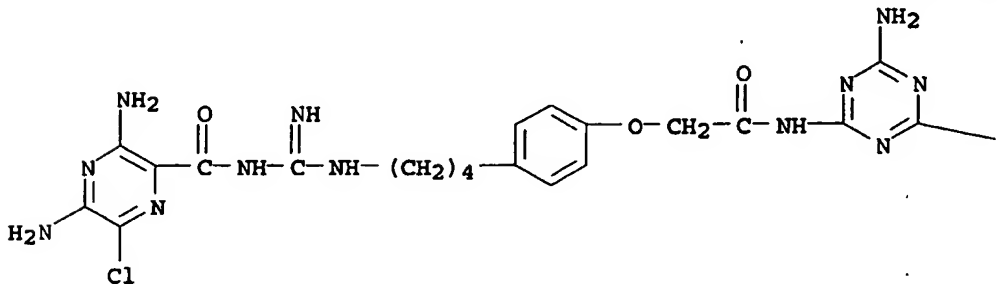
RN 847200-88-8 CAPLUS

CN Pyrazinecarboxamide, 3,5-diamino-6-chloro-N-[imino[[4-[4-[2-oxo-2-(1,3,5-triazin-2-ylamino)ethoxy]phenyl]butyl]amino]methyl]- (9CI) (CA INDEX NAME)



RN 847200-89-9 CAPLUS
CN Pyrazinecarboxamide, 3,5-diamino-6-chloro-N-[[[4-[4-[2-[(4,6-diamino-1,3,5-triazin-2-yl)amino]-2-oxoethoxy]phenyl]butyl]amino]iminomethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

NH2

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> LOG HOLD

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.68	344.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.50	-1.50

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:40:57 ON 15 SEP 2006